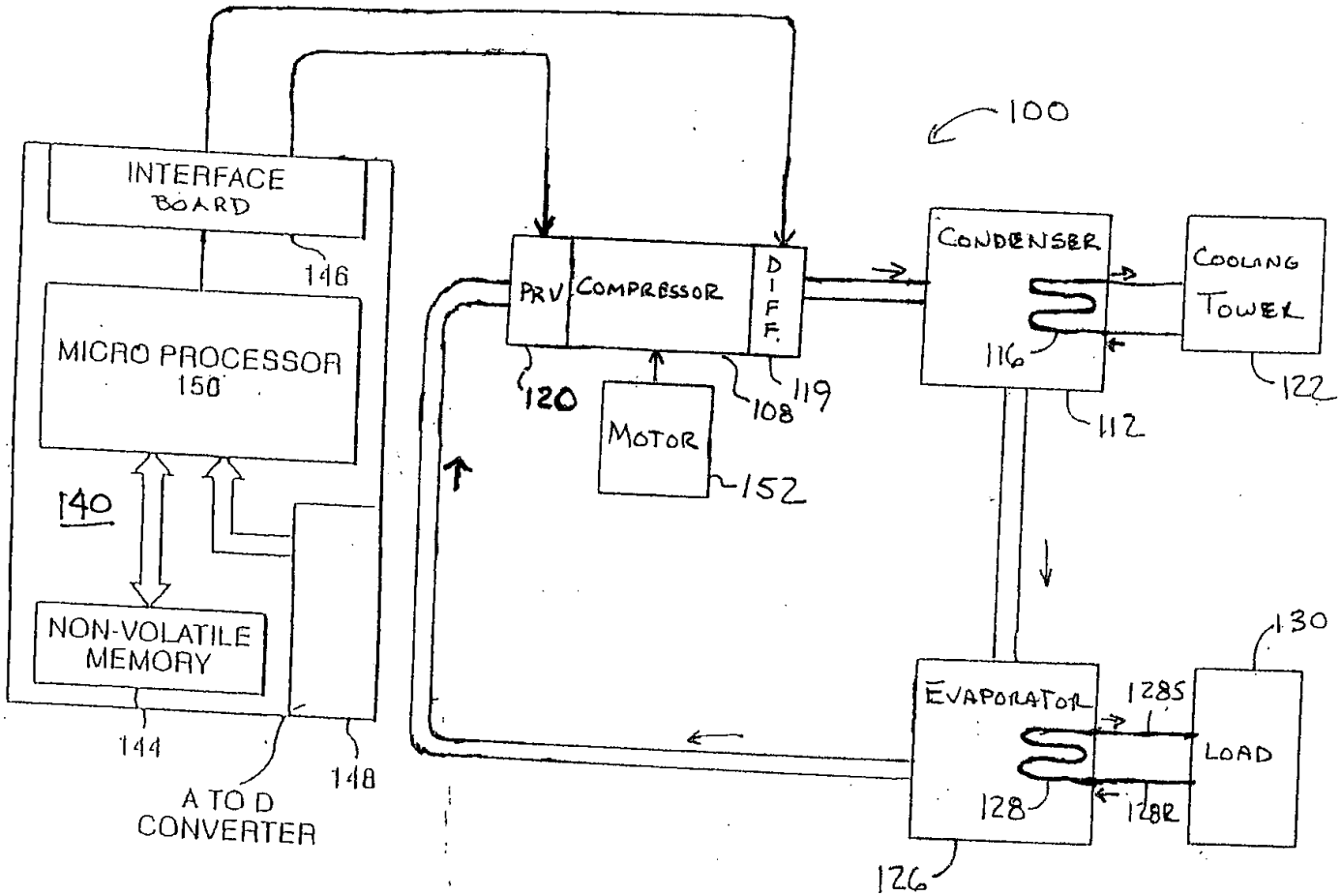
100
INTERFACE BOARD
146
MICRO PROCESSOR 150
140
NON-VOLATILE MEMORY
144
148
A TO D CONVERTER
PRV
COMPRESSOR
DIFF.
120
108
119
MOTOR
152
CONDENSER
116
112
COOLING TOWER
122
EVAPORATOR
128
128S
128R
126
130
LOAD

FIG. 1

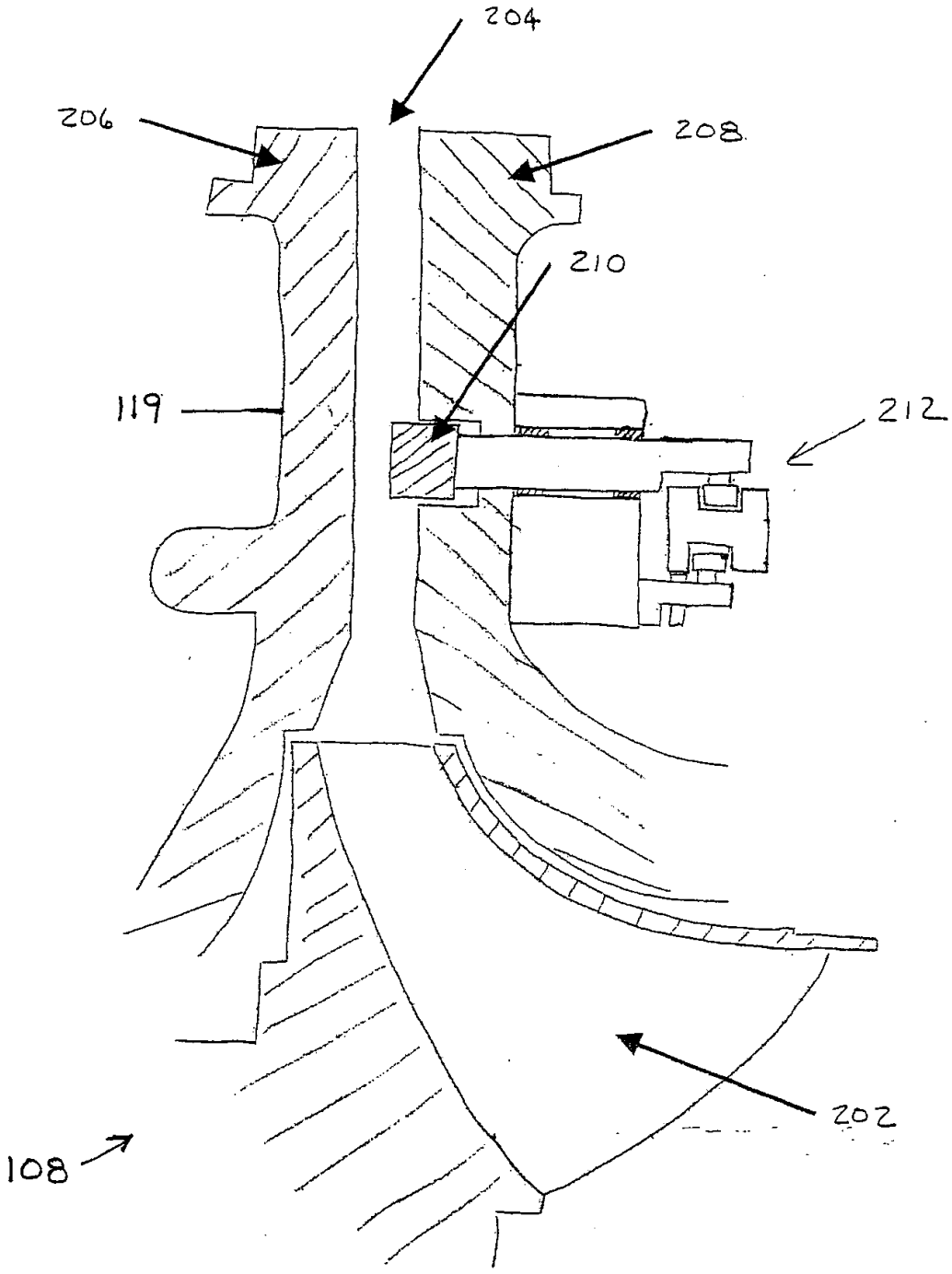

FIG. 2

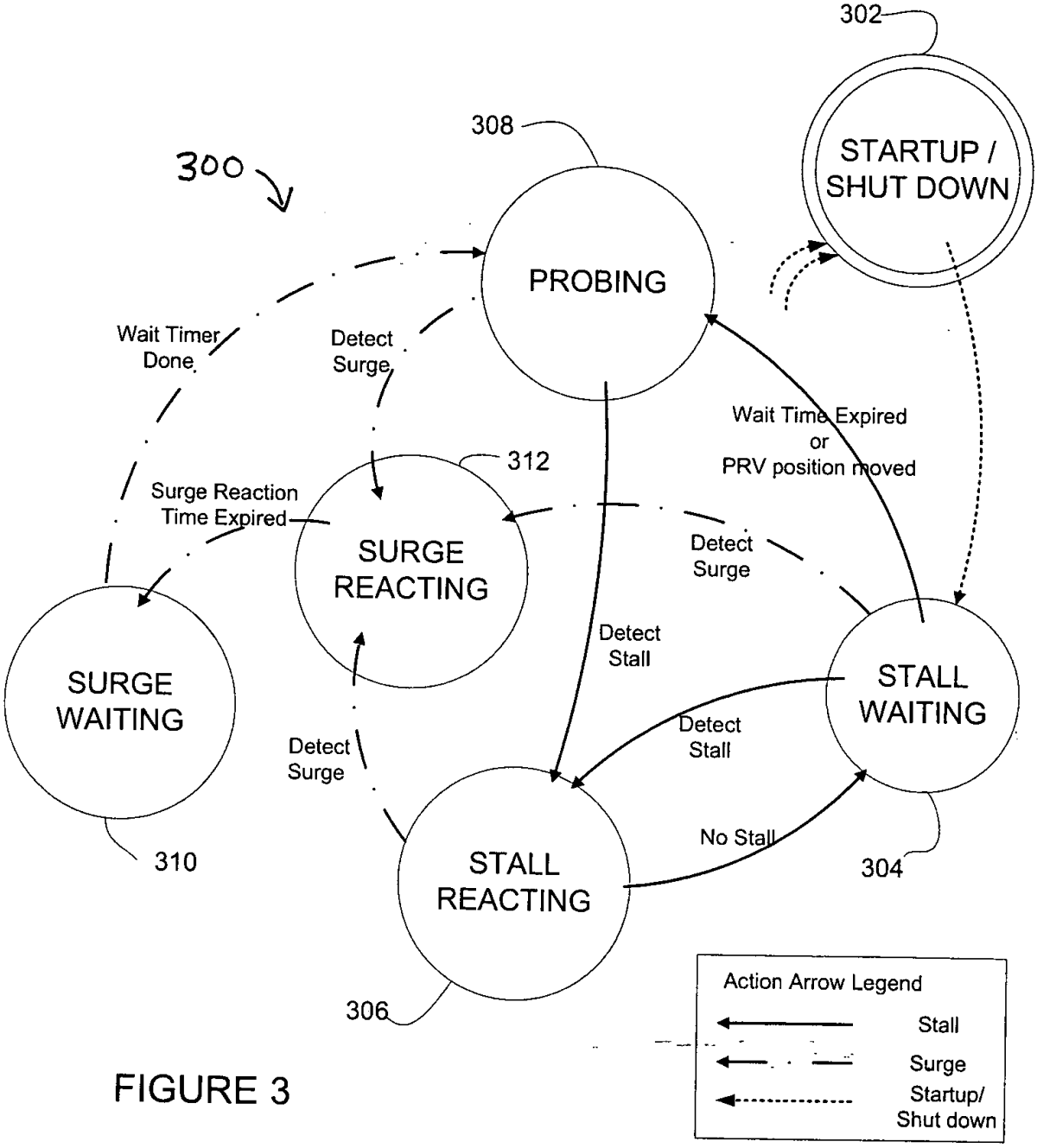
300
302
STARTUP / SHUT DOWN
308
PROBING
Wait Timer Done
Detect Surge
Wait Time Expired or PRV position moved
312
Surge Reaction Time Expired
SURGE REACTING
Detect Surge
Detect Stall
SURGE WAITING
STALL WAITING
Detect Surge
Detect Stall
No Stall
STALL REACTING
310
304
306
Action Arrow Legend
Stall
Surge
Startup/ Shut down

FIGURE 3

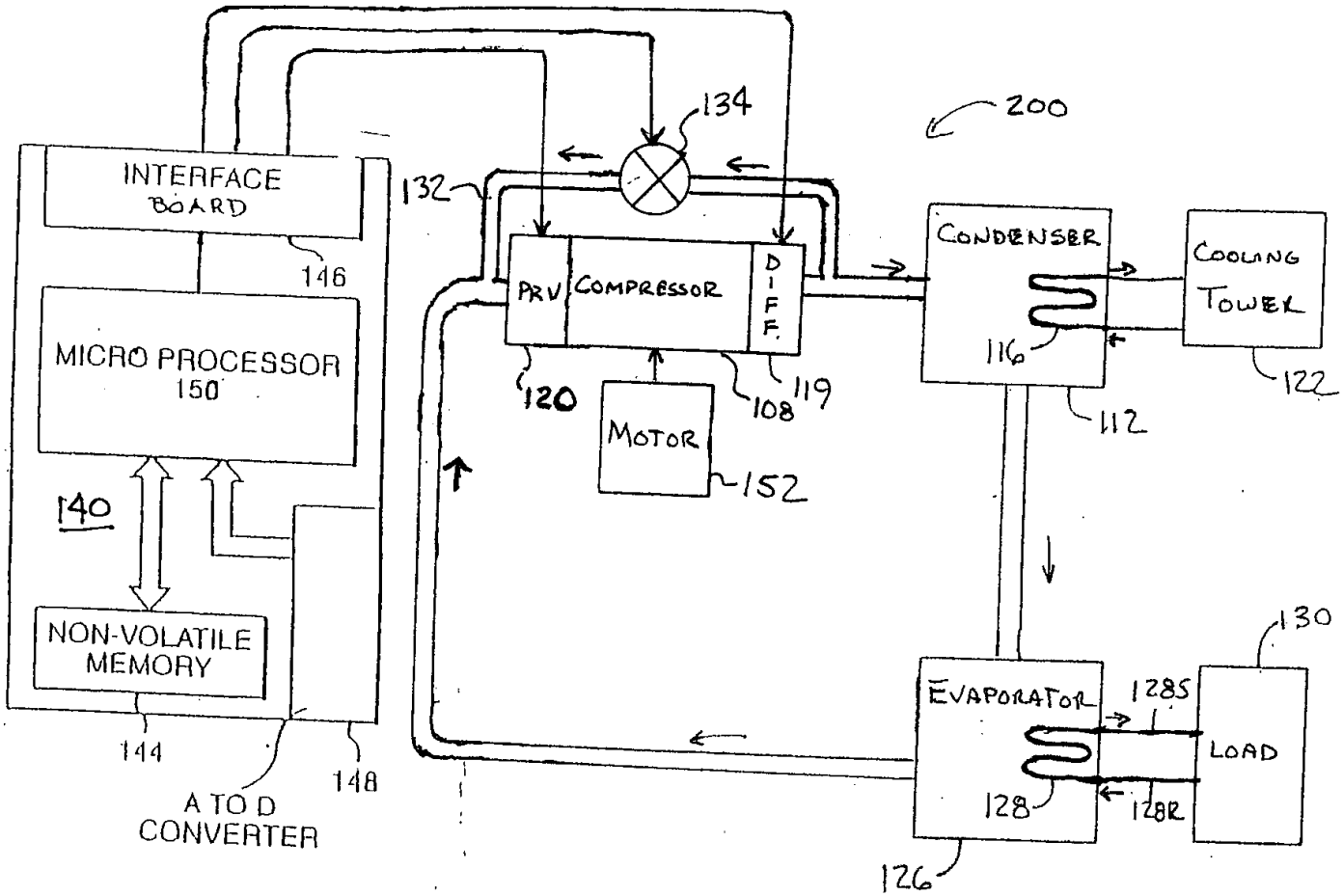
200
134
132
INTERFACE BOARD
146
MICRO PROCESSOR 150
140
NON-VOLATILE MEMORY
144
148
A TO D CONVERTER
PRV
COMPRESSOR
DIFF.
120
108
119
MOTOR
152
CONDENSER
116
112
COOLING TOWER
122
EVAPORATOR
126
128
128S
128R
LOAD
130

FIG. 4

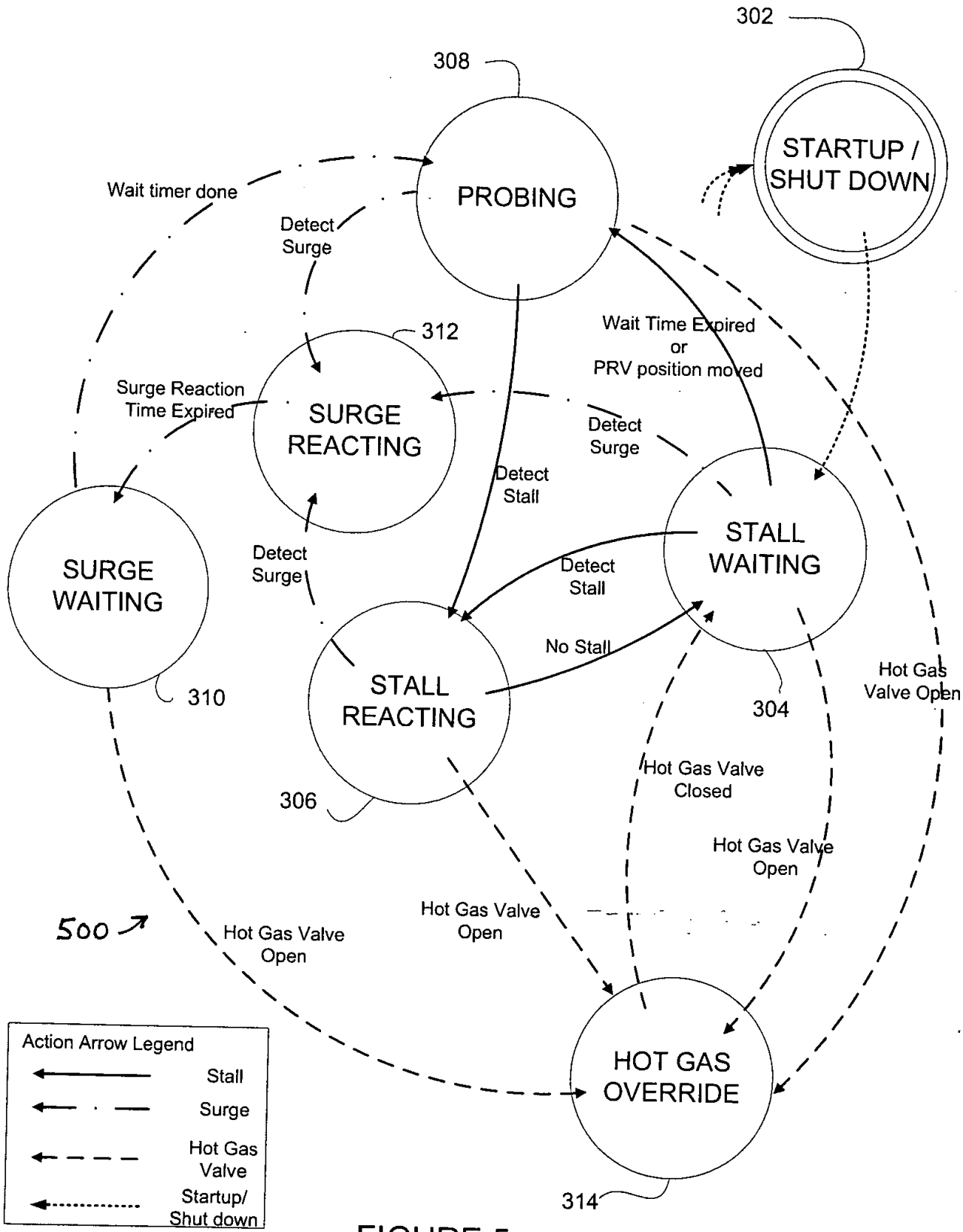
302
308
STARTUP / SHUT DOWN
PROBING
Wait timer done
Detect Surge
312
Wait Time Expired or PRV position moved
Surge Reaction Time Expired
SURGE REACTING
Detect Surge
Detect Stall
SURGE WAITING
Detect Surge
STALL WAITING
Detect Stall
No Stall
STALL REACTING
310
304
306
Hot Gas Valve Open
Hot Gas Valve Closed
Hot Gas Valve Open
Hot Gas Valve Open
Hot Gas Valve Open
500
HOT GAS OVERRIDE
314
Action Arrow Legend
Stall
Surge
Hot Gas Valve
Startup/ Shut down

FIGURE 5